

PATENT ABSTRACTS OF JAPAN

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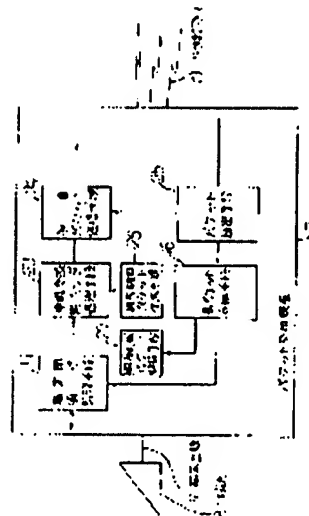
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54) PACKET SWITCHING EQUIPMENT

57)Abstract:

PURPOSE: To reduce the packet traffic by adding a header to each short packet sending one and same relay packet switching equipment for each packet, and clarifying the presence location so as to send/receive it as one multiplex packet.

CONSTITUTION: When a packet switching equipment 7 receives a packet from a terminal equipment 8, an inter-terminal communication processing means 11 applies processing a protocol and sends it to a relay switching equipment header processing means 23. On the other hand, an inter-network control packet generating means 26 generates periodically an inter-network control packet. A multiple packet transmission means 24 sends the user packet and the inter-network packet with a header added thereto respectively with the same number of the destination packet switching equipment or a relay destination packet switching equipment among the packet as one multiple packet to a relay line 10. A packet extraction means 25 receiving the multiple packet sends the number of its own packets switching equipment to a long packet decomposing means 16, reassembles the multiple packet and sends the result to the multiple packet transmission means 24.



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